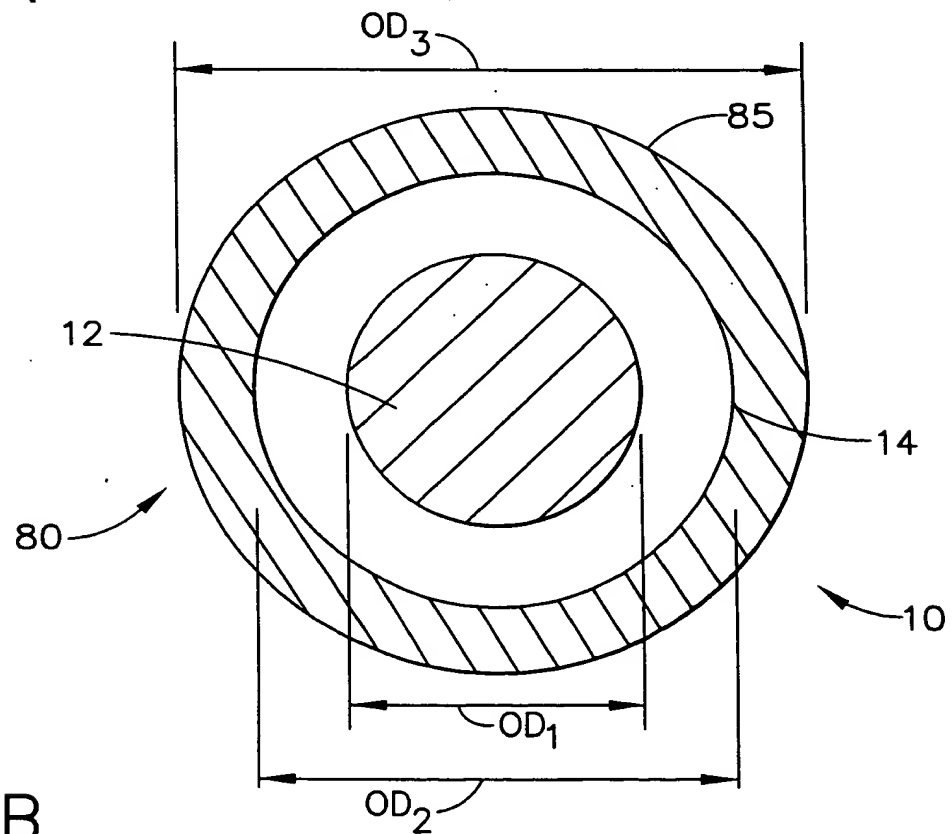
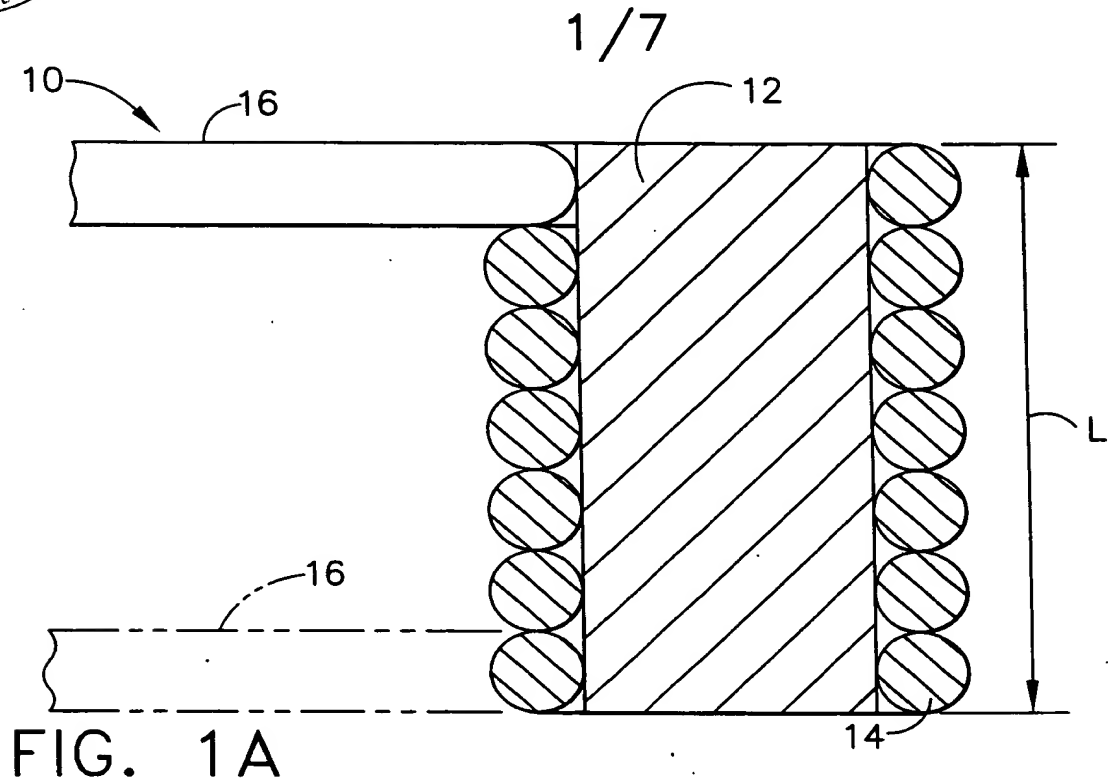


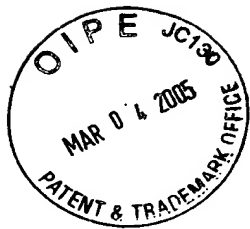
MEDICAL DEVICE WITH POSITION SENSOR HAVING CORE WITH HIGH  
PERMEABILITY MATERIAL FOR DETERMINING LOCATION COORDINATES

INVENTOR: ASSAF GOVARI

SN: 09/882,125; BIO-121

ATTY: LOUIS J. CAPEZZUTO; PHONE: (732) 524-2218





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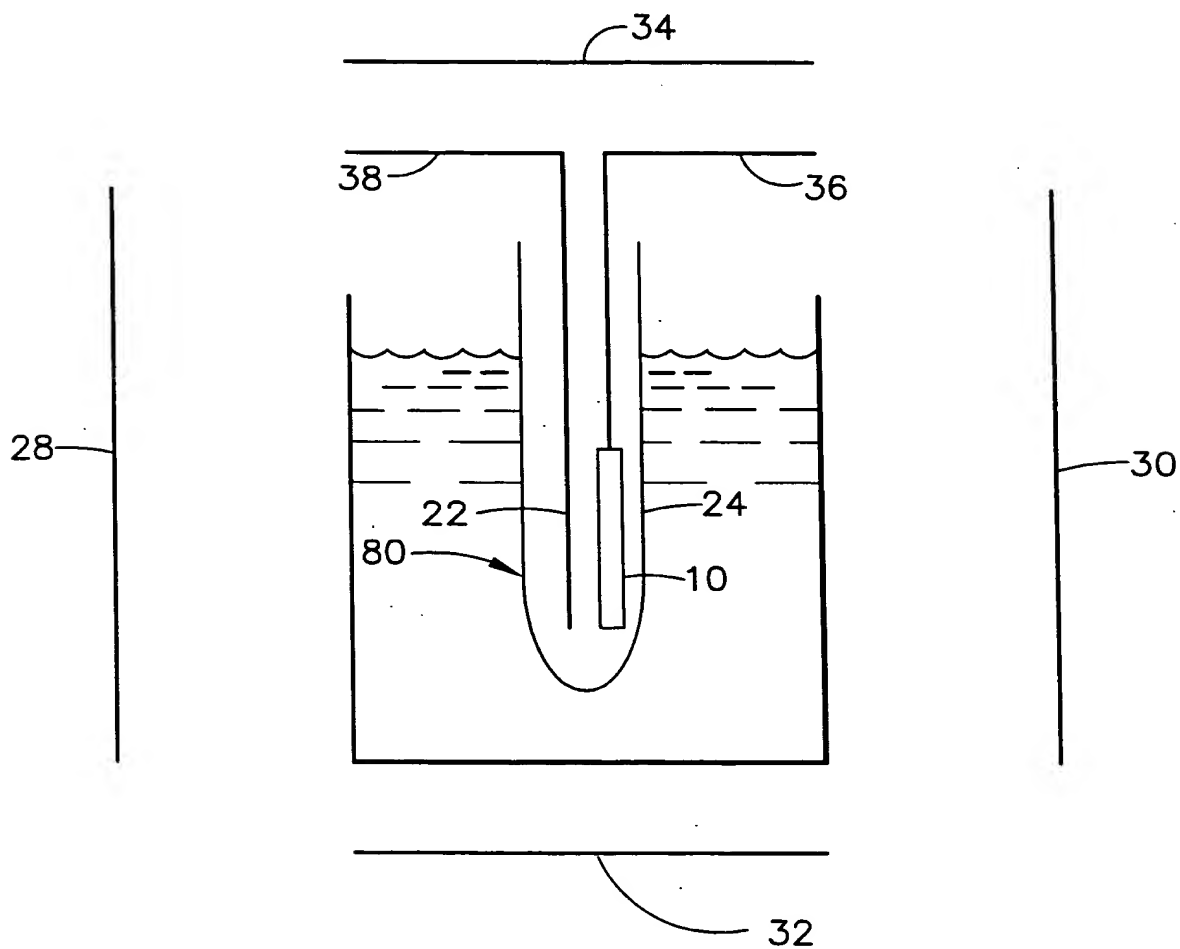
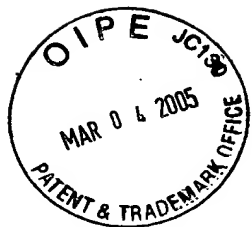


FIG. 2



MEDICAL DEVICE WITH POSITION SENSOR HAVING CORE WITH HIGH PERMEABILITY MATERIAL FOR DETERMINING LOCATION COORDINATES

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REGRESSING HEAT EXPERIMENT SENSOR 2

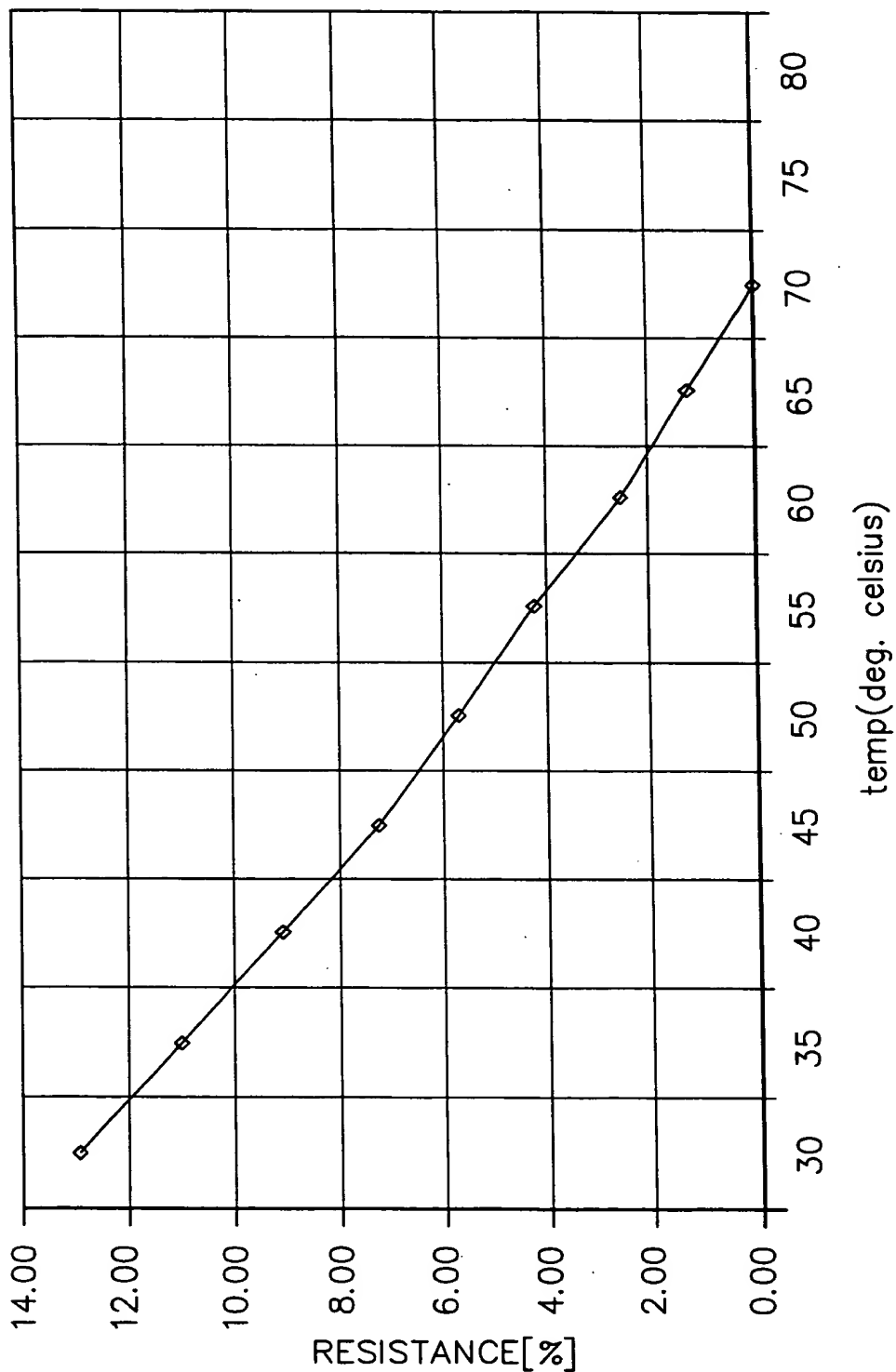
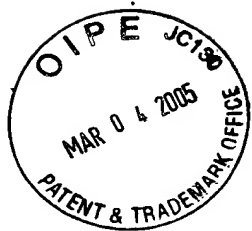


FIG. 3A



MEDICAL DEVICE WITH POSITION SENSOR HAVING CORE WITH HIGH  
PERMEABILITY MATERIAL FOR DETERMINING LOCATION COORDINATES

INVENTOR: ASSAF GOVARI

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REGRESSING HEAT EXPERIMENT SENSOR 2

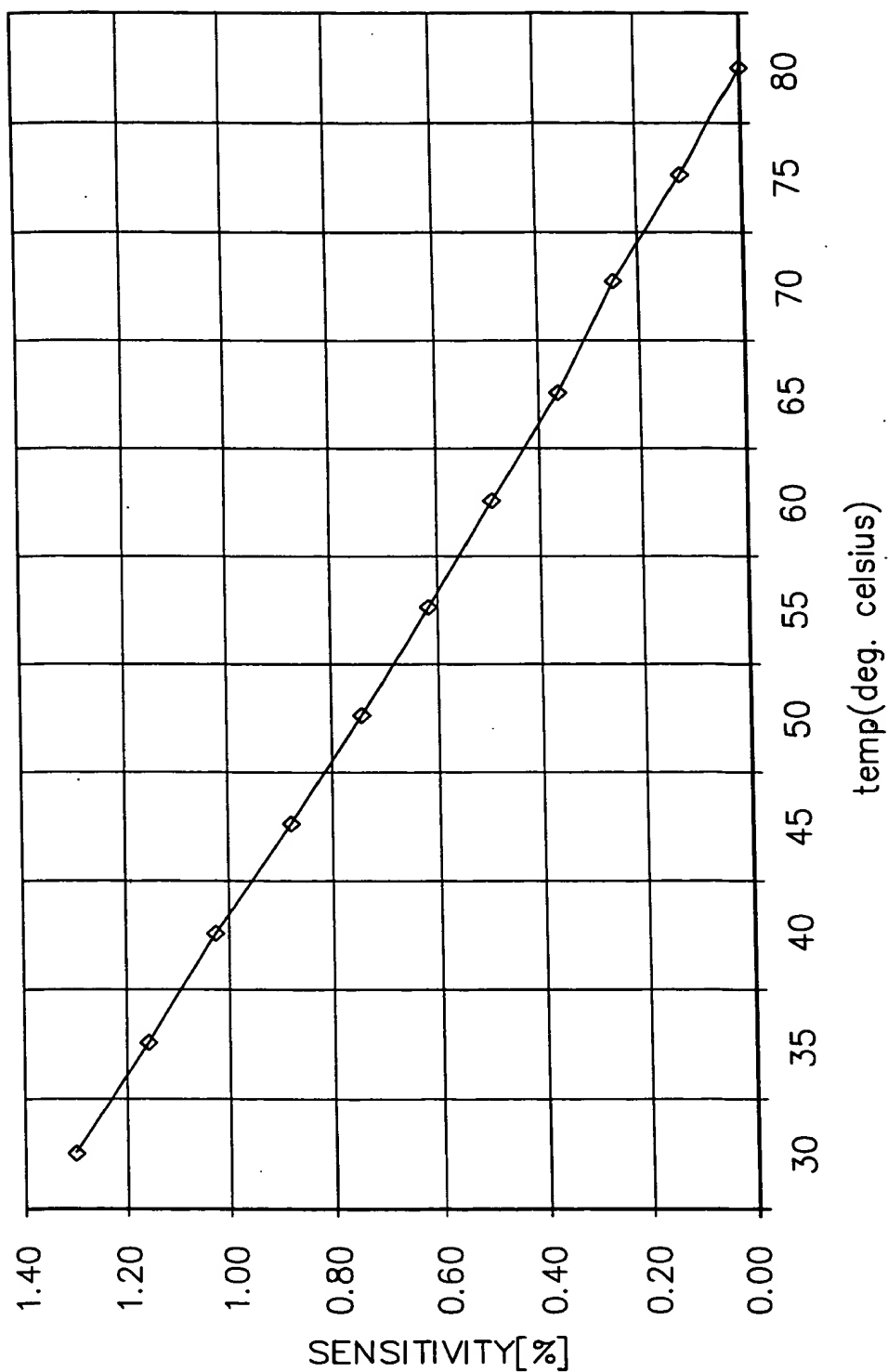


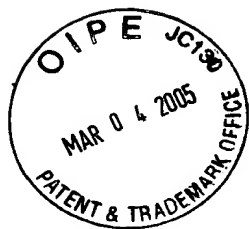
FIG. 3B

MEDICAL DEVICE WITH POSITION SENSOR HAVING CORE WITH HIGH  
PERMEABILITY MATERIAL FOR DETERMINING LOCATION COORDINATES

INVENTOR: ASSAF GOVARI

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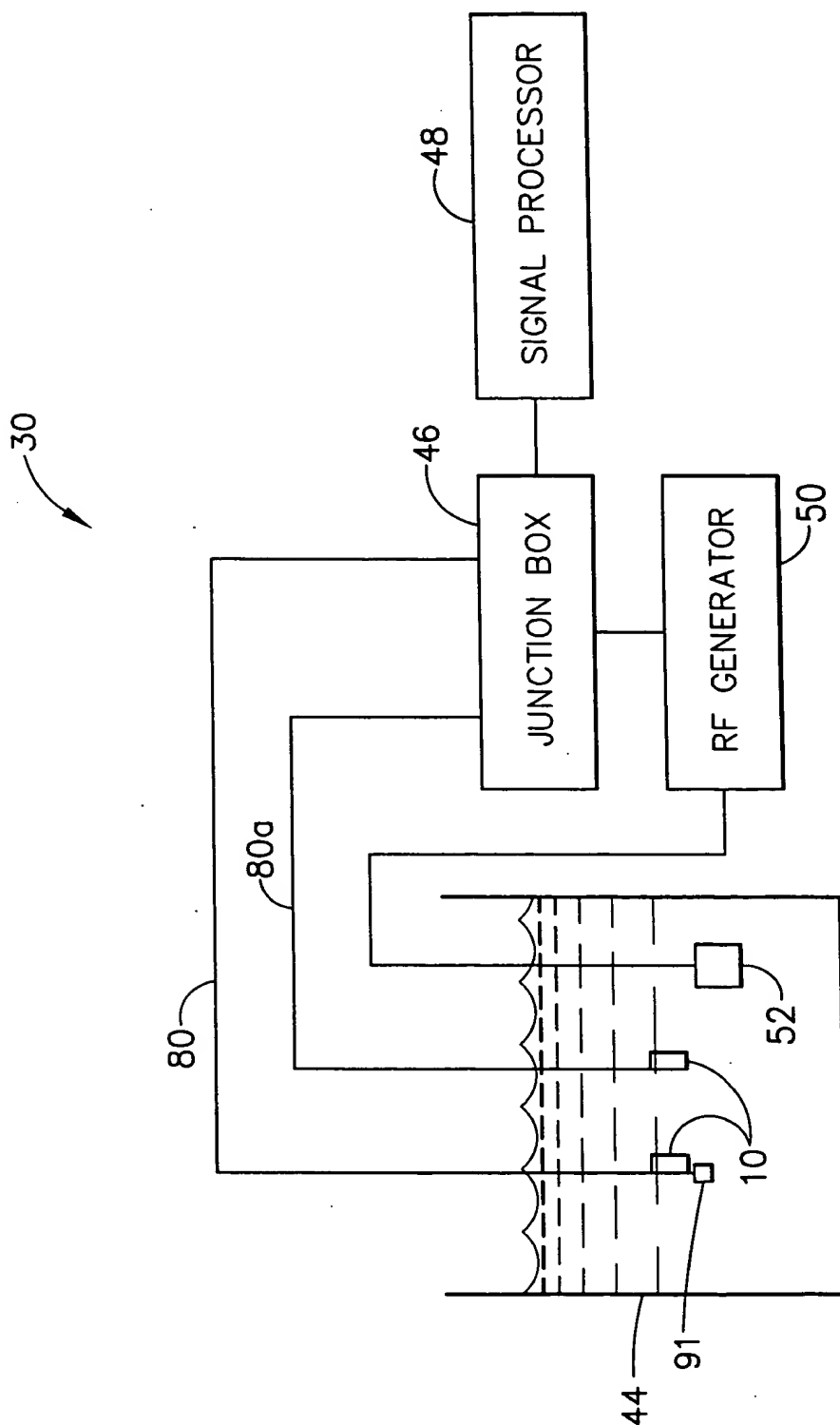


FIG. 4



MEDICAL DEVICE WITH POSITION SENSOR HAVING CORE WITH HIGH  
PERMEABILITY MATERIAL FOR DETERMINING LOCATION COORDINATES

INVENTOR: ASSAF GOVARI

SN: 09/882,125; BIO-121

ATTY: LOUIS J. CAPEZZUTO; PHONE: (732) 524-2218

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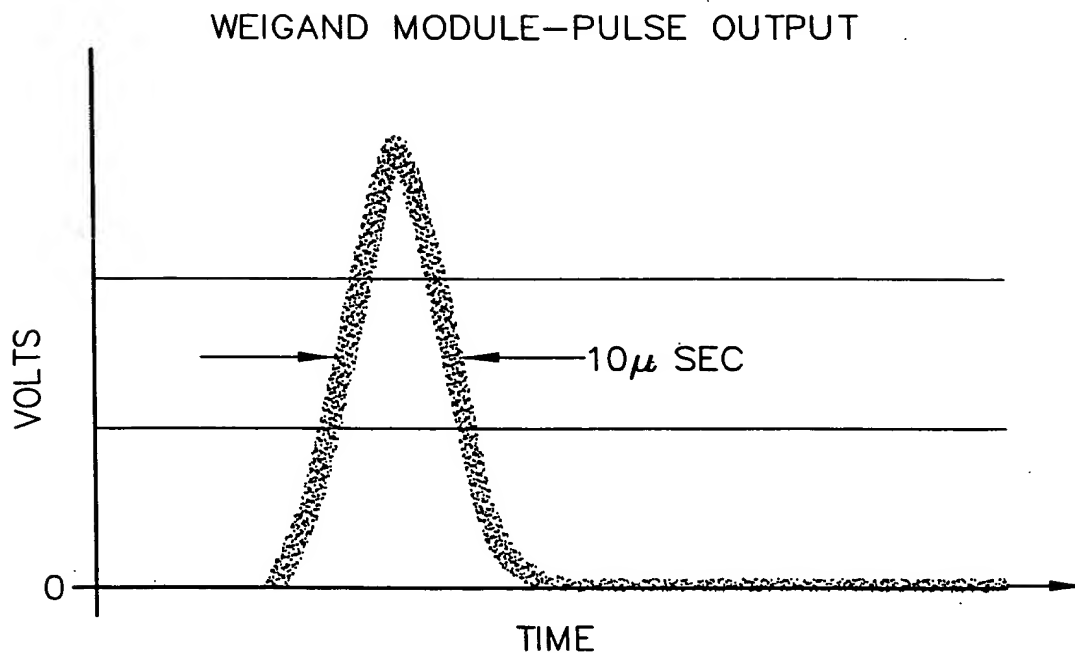


FIG. 5



MEDICAL DEVICE WITH POSITION SENSOR HAVING CORE WITH HIGH PERMEABILITY MATERIAL FOR DETERMINING LOCATION COORDINATES

INVENTOR: ASSAF GOVARI

SN: 09/882,125; BIO-121

ATTY: LOUIS J. CAPEZZUTO; PHONE: (732) 524-2218

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# REGRESSING HEAT EXPERIMENT

	1		2		3		4									
	sensitivity	resistance	sensitivity	resistance	sensitivity	resistance	sensitivity	resistance								
30	2.6290	1.39	176.30	12.59	2.3925	1.30	165.20	12.89	2.4537	1.31	171.80	13.17	2.6864	1.26	185.60	13.25
35	2.6327	1.25	178.90	10.96	2.3958	1.18	168.00	11.01	2.4567	1.18	174.30	11.42	2.6896	1.14	188.90	11.28
40	2.6356	1.13	181.80	9.19	2.3990	1.03	171.00	9.06	2.4598	1.06	177.20	9.50	2.8728	1.03	192.10	9.42
45	2.6390	1.00	184.40	7.65	2.4025	0.86	173.90	7.25	2.4632	0.92	179.90	7.95	2.8765	0.90	194.90	7.85
50	2.6419	0.89	187.40	5.92	2.4057	0.74	176.40	5.73	2.4670	0.76	182.80	6.95	2.8801	0.77	197.80	6.27
55	2.6457	0.75	190.40	4.25	2.4087	0.62	178.90	4.25	2.4705	0.62	185.30	4.80	2.8838	0.64	200.80	4.58
60	2.6489	0.63	192.80	2.96	2.4116	0.50	181.80	2.59	2.4744	0.45	188.20	3.19	2.8875	0.52	203.80	3.14
65	2.6519	0.51	195.80	1.38	2.4148	0.36	184.30	1.19	2.4774	0.34	191.80	1.25	2.8913	0.38	207.30	1.40
70	2.6567	0.37	198.50	0.00	2.4176	0.25	186.50	0.00	2.4799	0.24	194.20	0.00	2.8952	0.25	210.20	0.00
75	2.6599	0.21			2.4207	0.12			2.4833	0.10	196.40		2.8986	0.13	212.20	
80	2.6555	0.00			2.4236	0.00			2.4859	0.00			2.9024	0.00		
slope	-0.0266	-0.3165			-0.0250	-0.3233			-0.0289	-0.3305			-0.0254	-0.3279		

5				6				7				8			
	sensitivity	resistance		sensitivity	resistance		sensitivity	resistance		sensitivity	resistance		sensitivity	resistance	
30	3.3480	1.00	235.7	12.16	2.4057	1.25	167.4	13.02	2.4290	1.32	160.32	20.27	2.5002	1.11	175.40
35	3.3506	0.92	239.3	10.49	2.4061	1.15	169.6	11.56	2.4319	1.20	161.70	19.23	2.5029	1.00	177.40
40	3.3533	0.84	242.8	8.90	2.4108	1.04	171.9	10.06	2.4356	1.05	166.30	15.94	2.5053	0.91	179.20
45	3.3568	0.74	246.7	7.17	2.4141	0.90	174.7	8.30	2.4387	0.92	171.00	12.75	2.5070	0.84	180.60
50	3.3605	0.62	250.9	5.38	2.4157	0.79	177.3	6.71	2.4428	0.75	172.90	11.51	2.5093	0.75	183.50
55	3.3642	0.51	254.4	3.93	2.4196	0.66	179.6	5.35	2.4452	0.61	174.10	10.74	2.5134	0.58	185.10
60	3.3674	0.42	258.7	2.20	2.4232	0.52	182.2	3.84	2.4494	0.48	183.90	4.84	2.5157	0.49	191.40
65	3.3708	0.32	261.7	1.03	2.4265	0.38	184.6	2.49	2.4516	0.39	190.20	1.37	2.5168	0.45	194.10
70	3.3749	0.20	264.4	0.00	2.4293	0.27	186.9	1.23	2.4546	0.25	192.80	0.00	2.5215	0.26	196.00
75	3.3780	0.10	267.9		2.4326	0.13	189.2	0.00	2.4580	0.13			2.5247	0.13	
80	3.3815	0.00			2.4358	0.00			2.4511	0.00			2.5280	0.00	
slope	-0.205	-0.3124			-0.0253	-0.2934			-0.0266	-0.5271			-0.0219	-0.3069	

FIG. 6